

Title (en)

Processing of data frames exchanged over a communication controller in a time-triggered system

Title (de)

Verarbeitung von Datenrahmen, die mittels eines Kommunikationskontrollers über ein zeitgetriggertes System vermittelt werden

Title (fr)

Traitement de trames de données échangées par un contrôleur de communication dans un système à déclenchement temporel

Publication

EP 1739890 A3 20070718 (EN)

Application

EP 06450089 A 20060626

Priority

AT 10912005 A 20050628

Abstract (en)

[origin: EP1739890A2] For processing data frames which are exchanged over a communication controller (12) between a host computer (11) and a time-triggered communication network (13), a data frame is read by a processor means (2) located in the communication controller from an interface data storage means (14) accessible over a first interface (If1), the data contained in the data frame is processed according to packaging information contained in a configuration table, and portions of the user data are stored in the data frame in an associated memory range or set of registers of the interface data storage means as defined in the packaging information.

IPC 8 full level

H04L 12/403 (2006.01)

CPC (source: EP US)

H04L 12/403 (2013.01 - EP US); **H04L 49/90** (2013.01 - EP US)

Citation (search report)

- [X] EP 1355461 A2 20031022 - BOSCH GMBH ROBERT [DE], et al
- [X] BAUER G ET AL: "Assumption coverage under different failure modes in the time-triggered architecture", EMERGING TECHNOLOGIES AND FACTORY AUTOMATION, 2001. PROCEEDINGS. 2001 8TH IEEE INTERNATIONAL CONFERENCE ON OCT. 15-18, 2001, PISCATAWAY, NJ, USA,IEEE, 15 October 2001 (2001-10-15), pages 333 - 341, XP010588987, ISBN: 0-7803-7241-7
- [X] KOPETZ H ET AL: "THE CLUSTER COMPILER - A TOOL FOR THE DESIGN OF TIME-TRIGGERED REAL-TIME SYSTEMS", ACM SIGPLAN NOTICES, ACM, ASSOCIATION FOR COMPUTING MACHINERY, NEW YORK, NY, US, vol. 30, no. 11, 1 November 1995 (1995-11-01), pages 108 - 116, XP000539036, ISSN: 0362-1340

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

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